

Abstract

An interface can serve as a client-mainframe interface, enabling clients to develop applications without a need to understand mainframe processes and screen flows. Extended Tool Command Language (Tcl) can define services that can include a series of interactions with a mainframe system and service definitions can be added or updated on the interface during operation of the interface without disrupting processing. The service definitions can enable the interface to receive XML requests from a client, parse the XML requests, execute the service scripts to interact with the mainframe systems, generate the result in a XML format and send the XML file back to the client. Fundamental Mainframe Interactions (FMI) commands can interact with the mainframe systems and enable the specification of the XML structure of the request and response. The interface can provide efficient connection pooling management and connection life cycle control to improve the performance of the mainframe system interactions.